

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims

Claim 1 (Currently Amended): A ligand-bonded complex comprising a microparticle directly or indirectly bonded to at least one ligand, the ligand having an affinity for both a free target substance and a non-free target so that the free target can generally be recognized by the ligand at a substantially equivalent level as the non-free target when not bound to the microparticle, said at least one ligand comprising plural numbers of the at least one ligand bond to a surface of the microparticle thereby increasing affinity of the at least one ligand to the non-free target, wherein the increasing affinity of the at least one ligand bond to a surface of the microparticle allows specific binding of the complex to a non-free target in the presence of both a non-free target and a free target.

Claim 2 (Previously Presented): The ligand-bonded complex according to claim 1, wherein two or more said ligands each having the same affinity are bonded to the microparticle.

Claim 3 (Canceled):

Claim 4 (Previously Presented): The ligand-bonded complex according to claim 1, wherein the ligand is directly bonded to the microparticle.

Claim 5 (Previously Presented): The ligand-bonded complex according to claim 1, wherein a water-soluble macromolecule is bonded to the microparticle.

Claim 6 (Previously Presented): The ligand-bonded complex according to claim 1, wherein at least one of the ligand molecules is indirectly bonded to the microparticle by a water-soluble macromolecule.

Claim 7 (Previously Presented): The ligand-bonded complex according to claim 5, wherein the water-soluble macromolecule is a polyalkylene glycol.

Claim 8 (Previously Presented): The ligand-bonded complex according to claim 5, wherein the water-soluble macromolecule is polyethylene glycol.

Claim 9 (Previously Presented): The ligand-bonded complex according to claim 1, wherein the microparticle is selected from the group consisting of a low molecular drug, a protein, a micelle, and a liposome.

Claim 10 (Original): The ligand-bonded complex according to claim 9, wherein the microparticle is a liposome.

Claim 11 (Previously Presented): The ligand-bonded complex according to claim 10, wherein the liposome encapsulates an active principal of a medicament.

Claim 12 (Original): The ligand-bonded complex according to claim 11, wherein the medicament is an anti-tumor agent.

Claim 13 (Previously Presented): The ligand-bonded complex according to claim 1, wherein the ligand is an antibody.

Claim 14 (Original): The ligand-bonded complex according to claim 13, wherein the antibody is an anti-tumor antibody.

Claim 15 (Previously Presented): The ligand-bonded complex according to claim 14, wherein the antibody is bonded by a water-soluble macromolecule to a liposome encapsulating an anti-tumor agent.

Claim 16 (Previously Presented): The ligand-bonded complex according to claim 1, which comprises a dissociation constant between the target and one ligand of 1 E-8 M or greater.

Claim 17 (Previously Presented): The ligand-bonded complex according to claim 1, which comprises a dissociation constant between the target and one ligand of 1 E-7 M or greater.

Claim 18 (Previously Presented): A pharmaceutical composition comprising a ligand-bonded complex according to claim 1.

Claim 19 (Previously Presented): The ligand-bonded complex according to claim 1, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 20 (Previously Presented): The ligand-bonded complex according to claim 2, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 21 (Previously Presented): The ligand-bonded complex according to claim 4, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 22 (Previously Presented): The ligand-bonded complex according to claim 5, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 23 (Previously Presented): The ligand-bonded complex according to claim 6, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 24 (Previously Presented): The ligand-bonded complex according to claim 7, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 25 (Previously Presented): The ligand-bonded complex according to claim 8, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.

Claim 26 (Previously Presented): The ligand-bonded complex according to claim 9, including a drug for at least one of therapeutic and prophylactic treatments and diagnosis in the microparticle.